

**ebm-papst St. Georgen GmbH & Co. KG**

Hermann-Papst-Str. 1

D-78112 St. Georgen

Phone +49 (0) 7724 81-0

Fax +49 (0) 7724 81-1309

info2@de.ebmpapst.com

www.ebmpapst.com

**Nominal data**

| Type                     | 412 JHH           |           |
|--------------------------|-------------------|-----------|
| Nominal voltage          | VDC               | 12        |
| Nominal voltage range    | VDC               | 8 .. 13.5 |
| Speed                    | min <sup>-1</sup> | 13000     |
| Power input              | W                 | 3.3       |
| Min. ambient temperature | °C                | -20       |
| Max. ambient temperature | °C                | 60        |
| Air flow                 | m <sup>3</sup> /h | 24        |
| Sound power level        | B                 | 6.1       |
| Sound pressure level     | dB(A)             | 46        |

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit  
Subject to alterations



**Technical features**

|                                            |                                                     |
|--------------------------------------------|-----------------------------------------------------|
| <b>Mass</b>                                | 0.050 kg                                            |
| <b>Dimensions</b>                          | 40 x 40 x 25 mm                                     |
| <b>Material of impeller</b>                | Fiberglass-reinforced PA plastic                    |
| <b>Housing material</b>                    | Fiberglass-reinforced PBT plastic                   |
| <b>Direction of air flow</b>               | Air exhaust over bars                               |
| <b>Direction of rotation</b>               | Left, looking at rotor                              |
| <b>Bearing</b>                             | Ball bearings                                       |
| <b>Lifetime L10 at 40 °C</b>               | 57500 h                                             |
| <b>Lifetime L10 at maximum temperature</b> | 35000 h                                             |
| <b>Connection line</b>                     | Single strands AWG 26, TR 64, bared and tin-plated. |
| <b>Motor protection</b>                    | Protected against reverse polarity and locking.     |
| <b>Approval</b>                            | VDE, CSA, UL                                        |
| <b>Option</b>                              | Speed signal                                        |



## Charts: Air flow

